

Docket No. 263131US6PCT



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MAIL STOP PCT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hirofumi ONISHI, et al.

SERIAL NO: 10/518,645

GAU:

FILED: December 20, 2004

EXAMINER:

FOR: DUAL CONNECTING AND DISCONNECTING APPARATUS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
263131US6PCTSERIAL NO.
10/518,645

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Hirofumi ONISHI, et al.FILING DATE
December 20, 2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6 382 382	05/07/02	AVNY, Eli et al.			
	AB	2002/0117356	08/29/02	WITTKOPP, Scott Henry			
	AC	5 913 397	06/22/99	OKADA, Takashi et al.			
	AD	5 662 198	09/02/97	KOJIMA, Yoichi et al.			
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	5-39866	02/19/93	JP (with English abstract)		NO
	AP	9-32919	02/07/97	JP (with English abstract)		NO
	AQ	11-182579	07/06/99	JP (with English abstract)		NO
	AR	2001-304355	10/31/01	JP (with English abstract)		NO
	AS	2-50550	04/09/90	JP		NO
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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STATEMENT OF RELEVANCY

- 1) References AA-AD have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References _____ have been cited in the corresponding _____ Search Report. A copy of these references is being submitted herewith.
- 3) References AO-AS are discussed in the specification. A copy of these references is being submitted here with.
- 4) References _____ are additional prior art known to Applicant. A copy of these references is being submitted herewith.

JP 9-32919

A cylindrical portion extending in the axial direction is formed on an outer periphery of a wall member. A clutch is supported in the cylindrical portion. The wall member also functions as a drum member which transmits rotation of an input shaft to the clutch by connecting bottom inner peripheral side of the wall member to the input shaft.

JP 11-182579

In an automatic transmission hydraulic clutch provided with (i) a clutch drum provided with a clutch plate on the inner peripheral surface, (ii) a clutch support that rotatably supports the clutch drum, (iii) a clutch hub provided with a clutch disc which connects with and separates from the clutch plate, (iv) a clutch piston for connecting and separating the clutch plate and the clutch disc, and (v) a cancel piston which forms a cancel chamber for canceling centrifugal hydraulic pressure applied to the clutch piston, (a) the clutch drum inner cylindrical portion includes a large diameter portion and a small diameter portion, and is shaped so that it encases a clutch support end surface, and (b) a sliding portion between the clutch drum inner cylindrical portion and the clutch piston is provided on the small diameter portion of the clutch drum inner cylindrical portion.

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STATEMENT OF RELEVANCY

JP 2001-304355

A cancel hydraulic pressure chamber is provided concentrically, and to the outside in the radial direction, with respect to a piston hydraulic fluid chamber. As a result, it is possible to cancel centrifugal hydraulic pressure without increasing the dimensions of the transmission in the axial direction, thereby making the clutch mechanism compact and lightweight.

JP 2-50550

A plurality of clutches are arranged on the same axis.